

NAME OF PROPERTY

REPUBLIC (SKOMAC)

OBJECT LOCATED- Vein at intersection with west end of
Nonsuch claim.

UNCERTAINTY IN METERS 100. Lat. 49°03'40" Long. 118°42'20"

Mining Division Greenwood District Similkameen

County Township or Parish

Lot Concession or Range

Sec Tp. R.

OWNER OR OPERATOR AND ADDRESS

DESCRIPTION OF DEPOSIT

The property is underlain by Permian(?) argillites of the Anarchist Group. Three shear or fault zones cut across the formation in a N40°W direction and dip northeast at 50 to 80 degrees. Quartz veins averaging about 3 feet in width occur in the shears. Mineralization in the veins includes galena, sphalerite, pyrite, chalcopryrite, and native silver. A younger series of faults striking N50°E and dipping 45°NW intersect and occasionally displace the veins.

The showings lie just south of a southeasterly trending sheared contact between Palaeozoic (?) metasedimentary rocks (Skomac Formation) and a metamorphosed granodiorite-diorite intrusive complex to the north. Serpentine has been injected along the contact between the Skomac argillites and older meta-sedimentary basement rocks, and at the boundary of the granodiorite-diorite complex where serpentine schist is locally the host rock to the veins.

Associated minerals or products of value - Gold, lead, zinc.

HISTORY OF EXPLORATION AND DEVELOPMENT

The property is located on the west side of Boundary Creek, 2 miles southwest of Greenwood.

The Republic, Nonsuch, Last Chance, Hidden Treasure, and Cosmopolitan claims were staked in the early 1890's and development work begun in adits and shafts. The area was known locally as Smith's camp. The Republic claim (Lot 426) was Crown-granted to E.J. Roberts in 1894. The Nonsuch (Lot 389) and Last Chance (Lot 644) were Crown-granted to the Republic Gold Mining Company, of Spokane, in 1897; the Hidden Treasure (Lot 1019) was Crown-granted to the company in 1898. The Republic claim was reported held under option in 1898, apparently by the above company. The Cosmopolitan claim (Lot 1680) was Crown-granted in 1900 to Cosmopolitan Gold Mining and Smelting Company, of Spokane.

The Republic Gold Mines of Greenwood, B.C., Limited, was incorporated in January 1900 to acquire some of the above claims; Mr. W.T. Smith, a pioneer of the district, was general manager of the company. Test shipments of hand sorted ore were made to the British Columbia Copper Company's smelter at Greenwood in 1903, and to the Hall Mines smelter at Nelson in 1904; the company charter was surrendered in 1914. The workings to 1904 included about 1,100 feet of drifts and crosscuts in 3 adits, and 3 shallow shafts.

The property was purchased by Oli Lofstad, of Greenwood, in 1922 at a tax sale. The J.E. Taylor interests, of Vancouver, optioned the property in 1933 and during 1934 carried out open cutting and 40 feet of drifting. Greenwood Gold Mines, Limited, incorporated April 1935, optioned the property, drove the No. 5 adit for about 550 feet, and shipped a small amount of ore.

The five Crown-granted claims were acquired as Mineral Leases M 423 and M 430 from the British Columbia Dept. of Mines in December 1961 by George Scholes and J.J. McMahon. The Shot 1-14 claims were staked adjoining. The owners incorporated Skomac Mines Limited in March 1962. During 1962 and 1963 some mining was done on No. 4 level, and No. 5 level, 100 feet below No. 4, was driven as a cross-cut for 215 feet and the vein drifted on for 50 feet. Ganda Silver Mines Limited optioned a controlling interest see Card 2

Mineral Resources Branch, Department of Energy, Mines and Resources, Ottawa.

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HISTORY OF PRODUCTION

Total production as listed under the names of Republic, Last Chance, and Skomac, for the period 1903-1969, totals 1,688 tons. From this ore 573 ounces of gold, 102,449 ounces of silver, 46,309 pounds of lead, and 20,629 pounds of zinc were recovered.

During 1975-76, 982 tonnes of crude ore were shipped. From this ore 3.473 gm gold, 522.961 gm silver, 29 189 kg lead, and 17 090 kg zinc were recovered.

REFERENCES

Reports of Minister of Mines, British Columbia: 1894, p. 755; 1896, pp. 563, 577; 1897, pp. 576, 587; 1898, pp. 1125, 1195; 1900, p. 990; 1902, p. 180; 1903, p. 170; 1904, p. 213; 1913, p. 150; 1922, p. 175; 1933, p. 162; 1934, p. D-8; 1937, p. D-35; 1962, p. 69; 1963, p. A-48; 1964, p. 110; 1965, p. 167.

Geology, Exploration, and Mining; British Columbia Dept. of Mines: 1969, p. 426; 1978, p. E 18.

Mineral Policy Sector; Corporation Files: "Skomac Mines Limited"; "Ganda Silver Mines Limited"; "Robert Mines Ltd."; "Amro Minerals Corp."

*Geological Fieldwork; British Columbia Dept. of Mines: 1976, pp. 8-10.

MAP REFERENCES

Map 6-1957, Kettle River, (Geol.), Sc. 1":4 miles.

#Geology of the Skomac Mine, Sc. 1":330', Fig. 1, Geological Fieldwork 1976, p. 8, British Columbia Dept. of Mines.

*Map 82 E/2, Greenwood, (Topo.), Sc. 1:50,000.

REMARKS

Comp./Rev. By	DMacR	DMacR	DMacR	JL			
Date	02-75	11-80	02-82	12-82			

NAME OF PROPERTY

REPUBLIC (SKOMAC)

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

in Skomac Mines in 1964. Work during 1964 and 1965 on No. 5 level included 230 feet of drifting, an 80 foot crosscut driven into the hanging wall of the vein to provide a drill site, and some 3,500 feet of diamond drilling from this location and from surface.

Lessees J.S. and J.A. Kleman, of Greenwood, shipped ore from the property in 1969. Ownership of the Mineral Leases apparently reverted to J.J. McMahon, and K. Schindler, of Vancouver. Maymac Explorations Limited, incorporated May 1971, acquired the Maymac group of 14 claims, which were apparently a restaking of the Shot group.

Robert Mines Ltd. (K. Schindler, President), by an option agreement of November 1973, acquired the J.J. McMahon interest in the Mineral Leases; a second agreement, this one with Maymac Explorations, called for the transfer of the Maymac claims to Robert Mines. Work began in 1974 in driving No. 6 level adit on the Nonsuch claim. Some crude ore was shipped during 1975-76. In October 1976 No. 7 level adit, also on the Nonsuch claim, was begun to investigate the downward extension of the AA zone. The Maymac group was restaked as the May Mac claim (12 units) so that the property would consist of one solid claim block. During 1978 about 50 m of drifting was done on No. 7 level and an electromagnetic survey was carried out over approximately 10.4 km. Machinery for a 100 ton-per-day mill was acquired but not set up. By an agreement of November 1979 Robert Mines optioned a 40% interest in the property to Amro Minerals Corp. The tonnage was placed at approximately 41,240 tons; the grade, based on 1975-76 shipments and allowing for 25% dilution, was estimated at 12.6 oz/t Ag, 0.111 oz/t Au, 1% Pb, 1% Zn (Sookochoff 26/11/79, in Robert Mines Ltd. Filing Statement FS 252/80).

During 1980-81 the No. 7 level was extended to about 750'. The mill was installed and trial milling was carried out during the period May 21 to August 26, 1981 on old dump material assaying about 3.4 oz/t Ag; milling ceased due to the low silver but resumed again in May 1982 at a rate of 100 tons per day.

NAME OF PROPERTY

SKYLARK - OB

HISTORY OF EXPLORATION AND DEVELOPMENT (continued)

Greenwood Explorations Ltd optioned 12 claims comprising the property from J.A. MacLean in August 1975. Work to 1976 included geological mapping, trenching and 106' of diamond drilling in 4 holes to test the faulted southern extension of the Skylark vein.

Ground adjacent to the south was held as the OB claim by Viscount Resources Ltd (formerly Geonorm Development Corporation). Geological, geochemical and geophysical surveys were carried out in 1977-80.

The 12 reverted Crown-grants were acquired in September 1979 by H. Shear and associates, who incorporated Skylark Resources Ltd in 1980. The company optioned a 50% interest in the OB claim from Viscount Resources. Geochemical and biogeochemical surveys in 1979-80 located mineralization on the Meadow Lark claim and this was trenched in 1981. Geophysical and geochemical surveys in 1983 followed by trenching on a geochemical anomaly located a silver-gold bearing zone on the Billy Fr claim adjacent to the OB claim border in 1984; the discovery was tested by 844' of diamond drilling in 3 holes. Further drilling in 1985 included 22 holes on the 1984 discovery (H zone) and 4 holes on a new discovery in the northeast corner of the OB claim. Inferred reserves were reported as 58,000 tons at 20.19 oz/t Ag, 0.08 oz/t Au (Skylark Resources Statement of Material Facts, 30/10/85). Work in 1986 included diamond drilling on the H zone, and on the Serp zone, a blind occurrence discovered in 1985 drilling of the H zone. A decline ramp was driven to the H zone in 1986 and drifting and raising carried out. H zone reserves were reported as drill-proven 86,500 tons and possible 29,000 tons with an expected grade of 20 oz/t Ag, 0.08 oz/t Au (Skylark Resources L., 1986 Annual Report).

The decline was extended to 1,500 feet in 1987 and a drift driven on the Serp zone. Production from the H zone began December 7, 1987 at 100 tons per day, the ore being shipped to the Robert Mines Ltd. mill some 4 km south of Greenwood.